REMARKS

This amendment is submitted in response to the Opinion of the Board of Patent Appeals and Interferences mailed August 12, 2004. Applicant respectfully requests reconsideration of the subject application as amended herein.

Claims 1-18 have been canceled without prejudice. Claims 19-39 have been added to the present application.

In the August 24, 2004 Opinion, claims 1-18 were rejected under 35 U.S.C. § 103 as being unpatentable over various combinations of U.S. Patents:

4,766,364 issued to Biamonte et al. (hereinafter "Biamonte"),

6,191,943 issued to Tracy (hereinafter "Tracy "), and

6,268,716 issued to Burstein et al. (hereinafter "Burstein ").

Claims 1-18 have been canceled from the present application, thereby rendering the rejection of such claims moot.

Applicant respectfully submits that new claims 19-39 are patentable over Biamonte, Tracy, Burstein, or any combination thereof. For example, new claim 19 states:

> An apparatus comprising:
> a primary voltage regulator to provide primary power to a load from at least one of a first power source or a second power source; and
> a secondary voltage regulator to selectively provide additional power to the load from the second power source based at least in part on availability of the second power source.

PAGE 15/18 * RCVD AT 11/30/2004 2:49:31 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/24 * DNIS:2733639 * CSID: * DURATION (mm-ss):05-06

In new claim 19, a load can be powered using multiple power sources through multiple voltage regulators. Whether or not a particular voltage regulator can provide power to the load at any given time can depend on the availability of a particular power source.

For example, in one embodiment, the load could be a processor in a mobile computer, and the power sources could include a battery and an AC power adapter. A primary voltage regulator could provide primary power for the processor from the battery alone, the AC adapter alone (if plugged in), or a combination of the battery and the adapter (if plugged in). A secondary voltage regulator could provide additional power to the processor, but only if the AC adapter is plugged in.

Biamonte, in contrast, is directed to an entirely different goal. Biamonte describes a power system that includes a redundant voltage regulator (Biamonte; col. 1, lines 5-10). An electric load is shared evenly among several voltage regulators (Biamonte; col. 1, lines 46-50). If one of the voltage regulators fails, the load is redistributed evenly among the remaining regulators (Biamonte; col. 1, line 65 to col. 2, line 1). Biamonte has nothing whatsoever to do with a power system that uses multiple power sources.

Burstein, like Biamonte, describes a control system for distributing an electric load among a number of regulating circuits (Burstein; col. 1, lines 6-8; col. 2, lines 11-21; col. 9, lines 56-60). As the load increases and decreases, Burstein activates and deactivates circuits to deliver a desired cumulative current

PAGE 16/18 * RCVD AT 11/30/2004 2:49:31 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/24 * DNIS:2733639 * CSID: * DURATION (mm-ss):05-06

to the load (Burstein; col. 14, lines 12-17). Like Biamonte, Burstein has nothing whatsoever to do with a power system that uses multiple power sources.

Tracy is not directed to a power system at all, but is instead directed to a docking station that includes some heat dissipating features (Tracy; col. 1, lines 9-13). Like Biamonte and Burstein, Tracy has nothing whatsoever to do with a power system that uses multiple power sources.

Therefore, Applicant respectfully submits that Biamonte, Burstein, Tracy, and any combination thereof do not suggest, disclose, or enable "a secondary voltage regulator to selectively provide additional power to the load from the second power source based at least in part on availability of the second power source," as claimed in new claim 19.

Thus, for at least the reasons discussed above, Applicant respectfully submits new claim 19 is patentable over Biamonte, Burstein, Tracy, and any combination thereof.

Applicant submits that the reasoning presented above with respect to claim 19 similarly applies to claims 20-39. Thus, for at least the reasons discussed above, Applicant respectfully submits that new claims 20-39 are likewise patentable over Biamonte, Burstein, Tracy, and any combination thereof.

PAGE 17/18 * RCVD AT 11/30/2004 2:49:31 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/24 * DNIS:2733639 * CSID: * DURATION (mm-ss):05-06

In conclusion, Applicant respectfully submits that claims 19-39 are now in a condition for allowance, and Applicant respectfully requests allowance of such claims.

Please charge any shortages and credit any overages to our Deposit Account No. 50-0221.

Respectfully submitted,

INTEL CORPORATION

Date: 10/12, 2004

Robert A. Diehl
Reg. No. 40,992

INTEL LEGAL
SC4-202
P.O. Box 5326
Santa Clara, CA 95056-5326
Phone: (503) 712-1880
FAX: (503) 264-1729

PAGE 18/18 * RCVD AT 11/30/2004 2:49:31 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/24 * DNIS:2733639 * CSID: * DURATION (mm-ss):05-06